

MATERIAL SAFETY DATA SHEET
CONSEP
 213 SW Columbia, Bend, Oregon 97702-1013

EMERGENCY PHONE NUMBER: (541) 382-3688

TRADE NAME: SureFire™ Japanese Beetle Trap			
REGULATORY LICENSE: EPA Registration No. 56336-8			
CHEMICAL FAMILY: Alkanes			
PRINCIPAL COMPONENT(S)	CAS NO.	CHEMICAL FORMULA	
(R,Z)-5-(1-decenyl)-dihydro-2(3H)-pyranone	64726-91-6	C ₁₄ H ₂₄ O ₂	
Eugenol	97-53-0	C ₁₀ H ₁₂ O ₂	
Geraniol	106-24-1	C ₁₀ H ₁₈ O	
2-Phenethyl Propionate	122-70-3	C ₁₁ H ₁₄ O ₂	
PRODUCT DESCRIPTION: A cardboard and plastic device containing a pheromone lure dispenser			
BOILING POINT (°C)	Not applicable for product.	PILE DENSITY	Not applicable for product.
VAPOR PRESSURE (mm Hg)	Not applicable for product.	MOLECULAR WEIGHT	Not applicable for product.
VAPOR DENSITY (AIR = 1)	Not applicable for product.	SOLUBILITY IN WATER	Insoluble in water.
SPECIFIC GRAVITY (H₂O = 1)	Not applicable for product.	APPEARANCE AND ODOR	Various colored plastic dispenser, mild fruity odor for the attractants.

RESPIRATORY PROTECTION:	None required with product.
PROTECTIVE GLOVES:	None required with product.
EYE PROTECTION:	None required with product.
OTHER PROTECTIVE EQUIPMENT	In large, continuous application areas, contact supervisor for specific instructions before work is initiated. Usually none required with product.
VENTILATION:	Use adequate ventilation in confined areas.
NOTE:	Personal protection information provided in this Section is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE, ETC.:	
Avoid skin and eye contact. Avoid breathing vapors. Store in cool, well-ventilated area. Provide means of controlling spills. Protect from ignition. Wash hands after handling. Do not allow product to contaminate water sources, food or feed.	
Consep, Inc. is unaware of any local, state or federal regulations which define the active ingredients as hazardous.	
As of the preparation date, this product did not contain a chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1996 and 40 CFR Part 372.	
While this information and recommendations set forth are believed to be accurate as of the date hereof, Consep, Inc. makes no warranty with respect hereto and disclaims all liability from reliance thereon.	

Date: 11/09/98

Supersedes: 02/14/97

Contact: Richard W. Fresh, Regulatory Affairs, Consep, Inc.

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EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT:	Due to product form contact with attractant is unlikely. If contact should occur flush with water. If irritation develops get medical attention.
SKIN CONTACT:	Due to product form contact with attractant is unlikely. If contact should occur wash with soap and water. If irritation develops get medical attention.
INHALATION:	Due to product form contact with attractant is unlikely. If exposure should occur and illness or adverse symptoms develop get medical attention and remove from exposure.
INGESTION:	Due to product form ingestion is unlikely. If ingestion should occur administer water and call a physician or poison control center. Do not induce vomiting.

Recommended Exposure Limits:	None established.
Listed as Carcinogen by NTP, IARC, or OSHA:	No.
Other Health Effects:	No known adverse effects expected.
Health Hazard Categories:	EPA Toxicity Category III - CAUTION.

STABILITY	Stable
INCOMPATIBILITY:	Oxygen and strong oxidizing agents for pheromone.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon oxides formed when burned; plastic may release chlorine and hydrogens.
HAZARDOUS POLYMERIZATION:	Will not occur.
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:	Large spills can be swept up. Protect from ignition. Keep out of water sources and sewers. See dispenser disposal, below.
ENVIRONMENTAL HAZARDS/ WASTE DISPOSAL:	Incinerate or manage at a permitted waste management facility. Dispose of in accordance with local, state, and federal regulations.
USED DISPENSER AND CONTAINER DISPOSAL:	Used dispensers should be wrapped in newspaper, placed in garbage bag and discarded in trash. Do not reuse box or bag containers. Discard in trash.

FLASH POINT (Method Used)	FLAMMABLE LIMITS (% by Volume in Air)	LEL	UEL
Not applicable for product.	Not applicable for product.	Not established.	Not established.
EXTINGUISHING MEDIA: Dry Chemical, Foam, Carbon Dioxide (CO ₂)			
SPECIAL FIREFIGHTING PROCEDURES: In large fires, evacuate all unnecessary personnel. Use standard fire fighting procedures.			
UNUSUAL FIRE AND EXPLOSION HAZARDS: Carbon oxides formed when burned; plastic may release chlorine and hydrogens.			
TOXICITY DATA			
For (R,Z)-5-(1-decenyl)-dihydro-2(3H)-Furanone:			
LD ₅₀ , Oral, Rat:	4400 mg/kg		
LD ₅₀ , Dermal, Rabbit:	> 2000 mg/kg		
Eye Irritation, Rabbit:	Minimally irritating.		
Skin Irritation, Rabbit:	Moderately irritating.		
Dermal Sensitization:	Not a contact sensitizer.		
EXPOSURE INFORMATION			
EYE CONTACT:	Minimally irritating for attractant. Avoid contact with eyes. Due to product form exposure not expected.		
SKIN CONTACT:	Moderately irritating for attractant. Avoid contact with skin. Due to product form exposure not expected.		
INHALATION:	Avoid breathing attractant vapors. Due to product form exposure not expected.		
INGESTION:	Harmful if ingested. Due to product form exposure not expected.		
CHRONIC:	Long-term studies of concentrated active ingredients not done, however, no adverse effects expected from the device or the active ingredients.		